

Application No.: 10/063,559

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-18 (Canceled)

Claim 19 (Previously Presented) A method for providing information related to one or more probe sets, wherein each probe-set has one or more identifiers comprising:

receiving a first set of one or more of the probe-set identifiers, wherein each probe-set is capable of the identification of a biological molecule;

correlating the first set of probe-set identifiers with a first set of one or more data;

correlating each of the first set of data with a second set of one or more data; and

providing the second set of data to a user.

Claims 20 – 48 (Canceled)

Claim 49 (Currently Amended) A system for providing information related to one or more probe sets, comprising:

an input manager for receiving one or more probe-set identifiers associated with one or more probe sets;

a determiner for correlating the probe-set identifiers with a first set of data; and

a correlator for correlating the first set of data with a second set of data;

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wherein the probe-set identifiers include one or more of accession number, manufacturer-defined probe set identifier, biological sequence, or annotation term, and further wherein the first set of data includes biological sequence ~~or structure data~~, and still further wherein the second set of data includes ~~a probe set identifier or~~ protein information.

Claim 50 (Previously Presented) The system of claim 49, wherein:

the protein information includes biological process, molecular function, or cellular location information.

Claim 51 (Currently Amended) The system of claim 50, wherein:

the protein information includes information related to protein domain, ~~sequence homology, complex membership, pathway, biological system role, or interaction with other proteins or biological molecules.~~

Claims 52 – 60 (Canceled)

Claim 61 (Previously Presented) The method of claim 19, wherein:

the probe-set identifiers include one or more of accession number, manufacturer-defined probe-set identifier, biological sequence, or annotation term.

Claim 62 (Currently Amended) The method of claim 19, wherein:

the first set of data includes biological sequence ~~or structure data~~.

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Claim 63 (Currently Amended) The method of claim 19, wherein:  
the second set of data includes a ~~probe set identifier or~~ protein information.

Claim 64 (Previously Presented) The method of claim 63, wherein:  
the protein information includes biological process, molecular function, or  
cellular location information.

Claim 65 (Currently Amended) The method of claim 64, wherein:  
the protein information includes information related to protein domain, ~~sequence  
homology, complex membership, pathway, biological system role, or interaction with  
other proteins or biological molecules.~~

Claim 66 (Previously Presented) The system of claim 49, further comprising:  
an output manager constructed and arranged to provide the second set of data to  
the user.